



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
250878

Application for Pesticide - Section I

1. Company/Product Number 66923-2	2. EPA Product Manager G. Larocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) HTI Agritech (USA) Inc. - Protect-It	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) HTI Agritech (USA) Inc. 202 North Avenue #102 Grand Junction CO 81501 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>June 28, 1996</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

We have made a minor change in the label text. The change is noted on the attached label. Under directions for use we clarified the option to apply Protect-It using elevator fans as a structural treatment. Two unmarked copies of the revised label are enclosed for your files. Also, we may use CR Minerals (EPA # 59910-1) and Eagle-Picher (EPA #7655-1) as alternative suppliers of diatomaceous earth

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
		If "Yes" Package wgt	No. per container	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Peter S. Winn	Title Agent	Telephone No. (Include Area Code) 970-242-7108 fax 243-9226
2. Signature 		6. Date Application Received (Stamped)
3. Title Agent		
4. Typed Name Peter S. Winn		
5. Date Sept. 4, 1996		

PROTECT-IT contains diatomaceous earth and silica gel. These materials are made of amorphous silicon dioxide from fossil shells of green algae and from precipitated silica, respectively. Their method of control is physical rather than chemical - they absorb the outer lipid layer from insect epicuticles, causing the insects to die from dehydration. It is most effective when given several days to work. Optimum conditions are low grain or seed moisture content and low relative humidity of air. **When used as directed, PROTECT-IT effectively controls the following insects which cause damage to grain and seed:**

rice weevil	pea weevil
maize weevil	grain mites
granary weevil	bean weevil
mealworm beetle	red flour beetle
lesser grain borer	flat grain beetle
confused flour beetle	rusty grain beetle
Indian meal moth larva	saw-toothed beetle

PROTECT-IT is approved for use in the following stored grains and seeds: corn, sorghum (milo), wheat, oats, barley, rye, rice, soybeans, beans, peas, sunflower seeds, vegetable seeds, birdseed mix, and flower seeds.

CONTENTS

ACTIVE INGREDIENTS:	
Diatomaceous Earth	90%
Silica Gel	10%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND ANIMALS

CAUTION: Avoid breathing dust. Avoid contact with eyes. Use with adequate ventilation. Wear a suitable dust mask approved by NIOSH/MSHA when applying.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **Storage:** Store in original container in a dry place. Keep bag sealed. **Pesticide Disposal:** Wrap container and put in trash collection or dispose in approved facility. **Container Disposal:** Recycle boxes and bags where possible or place in trash.

WARRANTY STATEMENT

HTI Agritech (USA), Inc. warrants that this product conforms to the ingredient statement on this label. Since conditions of application may vary, HTI Agritech (USA), Inc. makes no claims other than those stated on this label.

EPA Reg. No. 66923-2 Patent Pending
EPA Est. No. 68535-KS-001 Batch No. 9609-2
Net Weight: 15 lbs. (contents may settle)



Ready to use Insecticide for Stored Grain and Seed
 - For Commercial and Pest Control Operator Use -
 - Apply as a Dust or Wettable Powder -

HTI Agritech (USA) Inc.

P.O. Box 2220, Blaine WA 98231

FOR WET APPLICATION MIX 1.6 POUNDS PER GALLON

Commodity & Insect or Mite	Application Rates (PERTON)		
	Dust (pounds)	Wet (gallons)	Wet (gallons)
Maximum Moisture content:	13%	14.5%	13%

Commodity & Insect or Mite	Dust (pounds)	Wet (gallons)	Wet (gallons)
WHEAT			
beetles (rusty and flat grain)	0.15	0.20	0.125 (1/8)
weevils (maize, rice, granary)	0.30	0.40	0.25 (1/4)
lesser grain borer	0.40	0.60	Dry only
flour beetles (red and confused)	0.40	0.60	0.375 (3/8)
grain mites	0.20	0.20	0.125 (1/8)

Commodity & Insect or Mite	Dust (pounds)	Wet (gallons)	Wet (gallons)
CORN(Maize) and SORGHUM			
weevils (maize, rice, granary)	0.40	0.80	Dry only
lesser grain borer	1.00	2.00	Dry only
red flour beetle	1.00	2.00	Dry only
Indian meal moth larvae	1.20	2.00	Dry only

Commodity & Insect or Mite	Dust (pounds)	Wet (gallons)	Wet (gallons)
RICE, Dehusked & Brown, Polished & Dehusked			
weevils (maize, rice, granary)	2.00	2.00	Dry only
lesser grain borers	3.00	3.00	Dry only
flour beetles (red and confused)	3.00	3.00	Dry only

Commodity & Insect or Mite	Dust (pounds)	Wet (gallons)	Wet (gallons)
OATS, RYE and BARLEY			
beetles (rusty and flat)	0.15	0.20	0.125 (1/8)
saw-toothed grain beetle	0.30	0.40	0.25 (1/4)
weevils (maize, rice, granary)	0.30	0.60	0.375 (3/8)
flour beetles (red and confused)	0.40	0.60	0.375 (3/8)
lesser grain borer	0.40	0.60	Dry only
grain mites	0.20	0.20	0.125 (1/8)

Commodity & Insect or Mite	Dust (pounds)	Wet (gallons)	Wet (gallons)
SOYBEANS, BEANS, PEAS (Bruchidae)			
bean and pea weevils	0.20	0.40	0.25 (1/4)

Commodity & Insect or Mite	Dust (pounds)	Wet (gallons)	Wet (gallons)
BIRDSEED MIX			
weevils (rice, granary)	0.20	0.40	Dry only
Indian meal moth	1.20	2.00	Dry only

Commodity & Insect or Mite	Dust (pounds)	Wet (gallons)	Wet (gallons)
SUNFLOWER, FLOWER & VEGETABLE SEEDS			
Indian meal moth larvae	2.00	2.00	Dry only
red flour beetle	3.00	4.00	Dry only

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

When used as directed, control of insects in stored grains and seeds continues throughout the storage period and, after storage, grains or seeds can be used as intended without removal of **PROTECT-IT**.

PROTECT-IT can be used in any dry container where grains or seeds are stored or transported, such as in silos or elevators, rail cars, ships, truck trailers, and appropriate cans, drums or packages. It provides maximum control when the relative humidity in the storage container is below 70%.

STRUCTURAL TREATMENT OF EMPTY STORAGE AND TRANSPORTATION CONTAINERS AND FACILITIES (surface, crack and crevice treatment): **PROTECT-IT** can be applied as a dust or in a slurry. Treat all cracks, crevices and surfaces with dust at 1 pound per 1,000 square feet using the elevator fan or a dust blower, preferably an electrostatic model. For wet application, mix 1 pound per gallon of water and spray at a rate of 1.5 gallons per 1000 square feet of surface.

APPLICATION TO STORED GRAINS AND SEEDS: **PROTECT-IT** may be applied to grain or seed at any stage of preparation or transportation after drying and cleaning and prior to storage. Treat the entire product mass with dust or mix with water and spray.

PROTECT-IT may be applied to product as it enters the auger or conveyor feeder system during transfer of grain into storage facilities or into transportation containers. Dust or water suspension should be mixed thoroughly with grain or seed to be stored at the rates shown in the table.

IF FREQUENT OR SERIOUS INFESTATIONS ARE COMMON, especially red flour beetle or lesser grain borer, follow these directions for additional protection of stored grain or seed:

- Two weeks before filling empty storage or transportation container with grain, apply **PROTECT-IT** at 0.6 pounds dust per 1000 square feet of surface area or as a slurry at the rate of 1 pound per gallon per 1000 square feet, and
- Treat bulk of grain according to rates shown in the table (dry or wet), and
- Either a) treat top 1.5 feet of grain with 0.6 pounds dust per ton or use a slurry containing 1.6 pounds per gallon at the rate of 0.375 gallons per ton, or b) treat top surface of grain with 3 pounds dust per 1000 square feet of surface area or use a slurry containing 3 pounds dust per two gallons water per 1000 square feet of area.

Depending of the type of grain or seed treated and the concentration of **PROTECT-IT** used, test weight and movement speed may be slightly reduced, but the presence of diatomaceous earth and silica gel should not cause the treated material to be reduced to sample grade if the USDA FDIS procedures in Program Directive 918.49 (August 1996) are followed.